

Desert Sunlight Solar Farm Power Project

Loan Guarantee – partial guarantee of \$1.46 million in loans (loan guarantees supported through the Financial Institution Partnership Program); closed September 2011

Impact – The project is one of the world's two largest solar photovoltaic (PV) installations currently under construction.

Jobs – There are currently over 320 workers on site with expected job numbers to reach 550 at peak construction. To hear how the Desert Sunlight Project brings stability to workers, click [here](#).

Expected Generation Capacity – 550 MW

Expected Clean Air Benefits – The project is expected to avoid over 735,000 metric tons of carbon dioxide annually, equivalent to the carbon dioxide emissions of over 140,000 vehicles.

Expected Homes Powered – The project is expected to generate enough clean electricity to power over 110,000 homes annually.

Power Purchase Agreement – PG&E and Southern California Edison will purchase the project's output.

Project Owners – NextEra Energy Resources, LLC and General Electric Financial Services

Awards – 2011 North American Solar Deal of the Year, *Project Finance Magazine*; Best Renewables Deal, *Power Intelligence*

Construction Update – Construction is approximately 10 percent complete. Project work to date includes grading for roads and retention ponds, the installation of posts and tilts, along with cabling that will connect the modules to the inverters. Module installation has begun, and approximately 5,000 have been installed to date.

Commercially Operating Technology – The 4,300-acre project will employ 8.8 million Cd-Te thin film photovoltaic modules, commercially proven and deployed since 2001, in addition to a transmission line. The PV modules absorb light, which the semiconductor material converts to excited electrons, generating usable electricity.

Supply Chain – First Solar spent more than \$1 billion with U.S. suppliers across 38 states last year. Major domestic suppliers of steel fabrications and electrical equipment for the three DOE loan guaranteed-supported projects, including Desert Sunlight, include Phoenix-based Omco Solar, a division of Ohio-based Omco, Connecticut-based Highway Safety Corp., Texas-based Powerohm, and SMA Americas of Colorado. In addition, the Desert Sunlight project uses approximately 70,000 tons of American steel.